## Amendments to the Claims

The listing of claims below will replace all prior versions and listings of claims in the present application.

## Claim Listing

1	1. (Currently Amended) A method comprising:
2	receiving a request to read a portion of data from first data storage, wherein a first
3	host can access the first data storage, and the first host cannot access
4	second data storage;
5	requesting a requested portion of a copy of the data in the second data storage
6	from a second host that can access the second data storage;
7	receiving the requested portion from the second host; and
8	reading the portion of the data by
9	reading the requested portion received from the second host, and
10	if when a sub-portion of the portion of the data is available from the first
11	data storage and the sub-portion was not included in the requested
12	portion, reading the sub-portion from the first data storage.
1	2. (Original) The method of claim 1 further comprising:
2	determining that a second portion of the data in the first data storage is
3	unavailable;
4	creating a third data storage upon performing the determining, wherein
5	the first host can access the third data storage; and
6	causing each subsequent change to the data in the first data storage to be written
7	to the third data storage.
1	3. (Currently Amended) The method of claim 2 wherein
2	if when the portion of the data comprises an updated portion in the third data
3	storage, the reading the portion of the data comprises reading the updated
4	portion from the third data storage.

- 3 - Serial No.: 10/722,701

l	4. (Original) The method of claim 2 wherein
2	the second portion of the data is unavailable because the second portion of the
3	data is corrupted.
1	5. (Original) The method of claim 2 wherein
2	the second portion of the data is unavailable because a device of the first data
3	storage is unavailable.
1	6. (Original) The method of claim 2 further comprising:
2	replicating data in the third data storage to fourth data storage accessible by the
3	second host, wherein the fourth data storage cannot be accessed by the
4	first host.
1	7. (Original) The method of claim 1 wherein
2	the copy of the data in the second data storage was copied from a previous version
3	of the data in the first data storage at a previous point in time.
1	8. (Original) The method of claim 1 wherein
2	the data in the second data storage is a log of changes made to data in the first
3	data storage after a previous point in time; and
4	the requested portion is a set of changes in the log of changes, wherein
5	each change in the set of changes comprises a change to the portion of the
6	data, wherein the change was made after the previous point in
7	time.
1	9. (Original) The method of claim 1 wherein the requesting the requested portion
2	comprises:
3	identifying a set of changed regions of a first plurality of regions of the first data
4	storage using a set of indicators, wherein
5	each indicator of the set indicates whether at least one change was made to
6	data in a respective region of the first data storage, and;

- 4 - Serial No.: 10/722,701

1	10. (Currently Amended) The method of claim 9 further comprising:
2	determining whether the data in each region of the first plurality of regions of the
3	first data storage is synchronized with the copy of the data in a
4	corresponding region of a second plurality of regions of the second data
5	storage; and
6	if when the data in one region of the first plurality of regions is not synchronized
7	with the copy of the data in the corresponding region of the second
8	plurality of regions,
9	identifying a set of unsynchronized regions of the first data storage,
10	wherein each region in the set of unsynchronized regions is
11	unsynchronized with a corresponding region of the second data
12	storage, and
13	forcing replication of the data in the set of unsynchronized regions to the
14	copy of the data in the second data storage prior to requesting the
15	requested portion.
1	11. (Currently Amended) The method of claim 10 wherein the determining
2	whether the data in each region of the first data storage is synchronized with the copy of
3	the data in the corresponding region of the second data storage comprises
4	determining whether a lag in replication from the first data storage to the second
5	data storage exists, and
6	if when the lag exists, determining that the first data storage and the second data
7	storage are unsynchronized.
1	12. (Currently Amended) The method of claim 11 wherein the determining
2	whether the lag in replication from the first data storage to the second data storage exists
3	comprises:
4	examining a replication map for the first data storage, wherein the replication map
5	comprises an indicator for each region of the first plurality of regions, the

adding each region of the set of changed regions to the requested portion.

7

- 5 - Serial No.: 10/722,701

6	indicator for each region indicates whether data in a respective region of
7	the first data storage have changed but have not yet been replicated; and
8	if when at least one respective region of the first plurality of regions has the
9	indicator, determining that the lag exists.
1	13. (Currently Amended) A system comprising:
2	first receiving means for receiving a request to read a portion of data from first
3	data storage, wherein a first host can access the first data storage, and the
4	first host cannot access second data storage;
5	requesting means for requesting a requested portion of a copy of the data in the
6	second data storage from a second host that can access the second data
7	storage;
8	second receiving means for receiving the requested portion from the second host;
9	and
10	reading means for reading the portion of the data by
11	reading the requested portion received from the second host, and
12	if when a sub-portion of the portion of the data is available from the first
13	data storage and the sub-portion was not included in the requested
14	portion, reading the sub-portion from the first data storage.
1	14. (Original) The system of claim 13 further comprising:
2	determining means for determining that a second portion of the data in the first
3	data storage is unavailable;
4	creating means for creating a third data storage upon performing the determining,
5	wherein the first host can access the third data storage; and
6	causing means for causing each subsequent change to the data in the first data
7	storage to be written to the third data storage.
1	15. (Original) The system of claim 14 further comprising:
2	second reading means for reading an updated portion from the third data storage if
3	the portion of the data comprises the updated portion.

- 6 - Serial No.: 10/722,701

1	10. (Currently Amended) A system comprising:
2	a first receiving module to receive a request to read a portion of data from first
3	data storage, wherein a first host can access the first data storage, and the
4	first host cannot access second data storage;
5	a requesting module to request a requested portion of a copy of the data in the
6	second data storage from a second host that can access the second data
7	storage;
8	a second receiving module to receive the requested portion from the second host;
9	and
10	a reading module to read the portion of the data by
11	reading the requested portion received from the second host, and
12	if when a sub-portion of the portion of the data is available from the first
13	data storage and the sub-portion was not included in the requested
14	portion, reading the sub-portion from the first data storage.
1	17. (Original) The system of claim 16 further comprising:
2	a determining module to determine that a second portion of the data in the first
3	data storage is unavailable;
4	a creating module to create a third data storage upon performing the determining,
5	wherein the first host can access the third data storage; and
6	a causing module to cause each subsequent change to the data in the first data
7	storage to be written to the third data storage.
1	18. (Original) The system of claim 17 further comprising:
2	a second reading module to read an updated portion from the third data storage if
3	the portion of the data comprises the updated portion.
1	19. (Currently Amended) A computer-readable medium comprising:
2	first receiving instructions to receive a request to read a portion of data from first
3	data storage, wherein a first host can access the first data storage, and the
4	first host cannot access second data storage;

- 7 - Serial No.: 10/722,701

5	requesting instructions to request a requested portion of a copy of the data in the
6	second data storage from a second host that can access the second data
7	storage;
8	second receiving instructions to receive the requested portion from the second
9	host; and
10	reading instructions to read the portion of the data by
11	reading the requested portion received from the second host, and
12	if when a sub-portion of the portion of the data is available from the first
13	data storage and the sub-portion was not included in the requested
14	portion,
15	reading the sub-portion from the first data storage.
1	20. (Currently Amended) The computer-readable medium of claim 1 19 further
2	comprising:
3	determining instructions to determine that a second portion of the data in the first
4	data storage is unavailable;
5	creating instructions to create a third data storage upon performing the
6	determining, wherein the first host can access the third data storage; and
7	causing instructions to cause each subsequent change to the data in the first data
8	storage to be written to the third data storage.
1	21. (Original) The computer-readable medium of claim 20 further comprising:
2	second reading instructions to read an updated portion from the third data storage
3	if the portion of the data comprises the undated portion

- 8 - Serial No.: 10/722,701